

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number  
**WO 2004/108151 A1**

(51) International Patent Classification<sup>7</sup>: A61K 38/21,  
A61P 11/00

(21) International Application Number:  
PCT/SG2004/000173

(22) International Filing Date: 9 June 2004 (09.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/476,611 9 June 2003 (09.06.2003) US

(71) Applicant (for all designated States except US):  
GENOME INSTITUTE OF SINGAPORE [SG/SG];  
#02-01 Genome, 60 Biopolis Street, Singapore 138672  
(SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TAN, Emily Li  
Chuan [SG/SG]; 52 Bukit Batok East Avenue 5, #02-02  
Regent Heights Tower B, Singapore 659802 (SG). STAN-  
TON, Lawrence W. [US/SG]; 28 Cuscaden Road, #06-10,  
Singapore 249723 (SG).

(74) Agent: YUSARNAUDREY & PARTNERS; 190 Middle  
Road, #12-04, Singapore 188979 (SG).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LG, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report  
— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

WO 2004/108151 A1

(54) Title: INHIBITION OF SARS CORONAVIRUS INFECTION WITH CLINICALLY APPROVED ANTIVIRAL DRUGS

(57) Abstract: The invention relates to methods for treating or inhibiting SARS-CoV infection involving the administration of an interferon, particularly IFN  $\alpha$ -n1, IFN  $\alpha$ -n3, human leukocyte IFN  $\alpha$  or IFN  $\beta$ -1b.